

Project Name: ST012 EBR Drilling

Boring ID: LSZ43-EBR

**Project Number:** 9101110001.5310.02 **Date:** 5-22-16

**Date:** 5-22-16

[illegible]

Project Name: ST012 EBR Drilling

Boring ID: LSZ43-EBR

Project Number: 9101110001.5310.02

Date: 5-22-16

Boring Location:		ST012		Logged By:		Garrett Tabor	
Elevation and Datum:		N/A		Project Manager:		Gwen Minnier	
Drilling Start Date:		5-22-16		Drilling Contractor:		Yellow Jacket Drilling	
Drilling Completion Date:		5-22-16		Drilling Method:		Sonic	
Total Depth (ft bgs):		226		Drilling Equipment:		6" I.D., 8" O.D.	
Depth to Water (ft bgs):		~146		Sampling Method:		Continuous Core	
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.	
25					SM	<b>SILTY SAND</b> , continued  note: weakly cemented below 26'	
30			0.0			<b>POORLY GRADED SAND WITH SILT &amp; GRAVEL</b> , predominantly very fine to medium grained, subangular to subrounded sand, 10% silt, 10% fine grained, subangular to subrounded gravel, uncemented, nonplastic, brown, dry, no odor, no stains  note: zone of weakly to moderately cemented from 33' to 36'	
					SP-SM		
35			0.0			<b>SILTY SAND</b> , 75% very fine to medium grained, subangular to subrounded sand, 20% silt, 5% clay, uncemented to weakly cemented, nonplastic, brown, dry, no odor, no stains	
					SM		
40			0.0			<b>SILTY SAND</b> , 75% very fine to medium grained, subangular to subrounded sand, 20% silt, 5% clay, uncemented to weakly cemented, nonplastic, brown, dry, no odor, no stains	
45			0.0			<b>SILTY SAND</b> , 75% very fine to medium grained, subangular to subrounded sand, 20% silt, 5% clay, uncemented to weakly cemented, nonplastic, brown, dry, no odor, no stains	
50						<b>SILTY SAND</b> , 75% very fine to medium grained, subangular to subrounded sand, 20% silt, 5% clay, uncemented to weakly cemented, nonplastic, brown, dry, no odor, no stains	

Project Name: ST012 EBR Drilling

Boring ID: LSZ43-EBR

Project Number: 9101110001.5310.02

Date: 5-22-16

Boring Location:		ST012		Logged By:		Garrett Tabor	
Elevation and Datum:		N/A		Project Manager:		Gwen Minnier	
Drilling Start Date:		5-22-16		Drilling Contractor:		Yellow Jacket Drilling	
Drilling Completion Date:		5-22-16		Drilling Method:		Sonic	
Total Depth (ft bgs):		226		Drilling Equipment:		6" I.D., 8" O.D.	
Depth to Water (ft bgs):		~146		Sampling Method:		Continuous Core	
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.	
50			0.0		SM	<b>SILTY SAND</b> , continued  note: lens of fine grained sand & gravel from 52'6" to 53'  note: moderately cemented from 54' to 56'	
55			0.0				
60			0.0		SC	<b>CLAYEY SAND</b> , 75% very fine to medium grained 20% clay, 5% silt, uncemented, low plasticity, brown, moist, no odor, no stains  note: weakly to moderately cemented from 62' to 66'	
65			0.0				
70			0.0				

**Project Name:** ST012 EBR Drilling

Boring ID: LSZ43-EBR

**Project Number:** 9101110001.5310.02 **Date:** 5-22-16

Date: 5-22-16

[illegible]

Project Name: ST012 EBR Drilling

Boring ID: LSZ43-EBR

Project Number: 9101110001.5310.02

Date: 5-22-16

Boring Location:		ST012				Logged By:		Garrett Tabor	
Elevation and Datum:		N/A				Project Manager:		Gwen Minnier	
Drilling Start Date:		5-22-16				Drilling Contractor:		Yellow Jacket Drilling	
Drilling Completion Date:		5-22-16				Drilling Method:		Sonic	
Total Depth (ft bgs):		226				Drilling Equipment:		6" I.D., 8" O.D.	
Depth to Water (ft bgs):		~146				Sampling Method:		Continuous Core	
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.			
100			0.0		SM	<b>SILTY SAND</b> , continued  note: weakly cemented from 96' to 106'			
105			0.0			<b>CLAYEY SAND</b> , 65% very fine to medium grained, subangular to subrounded sand, 25% clay, 10% silt, uncemented, low plasticity, brown, moist, no odor, no stains			
110			0.0		SP-SM	<b>POORLY GRADED SAND WITH SILT &amp; GRAVEL</b> , 80% predominantly very fine to medium grained, subangular to subrounded sand, 10% silt, 10% fine grained, subangular to subrounded gravel, uncemented, nonplastic, brown, dry, no odor, no stains  note: weakly cemented at 114'			
115			0.0			<b>SILTY SAND</b> , 80% very fine to medium grained sand, 20% silt, weakly to moderately cemented, nonplastic, brown, dry, no odor, no stains			
120			0.0						
125									

Project Name: ST012 EBR Drilling

Boring ID: LSZ43-EBR

Project Number: 9101110001.5310.02

Date: 5-22-16

Boring Location:		ST012				Logged By:		Garrett Tabor		
Elevation and Datum:		N/A				Project Manager:		Gwen Minnier		
Drilling Start Date:		5-22-16				Drilling Contractor:		Yellow Jacket Drilling		
Drilling Completion Date:		5-22-16				Drilling Method:		Sonic		
Total Depth (ft bgs):		226				Drilling Equipment:		6" I.D., 8" O.D.		
Depth to Water (ft bgs):		~146				Sampling Method:		Continuous Core		
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.				
125			0.1		SM	SILTY SAND, continued  note: uncemented from 124' to 126'				
					SC	CLAYEY SAND, 70% very fine to medium grained, subangular to subrounded sand, 20% clay, 10% silt, uncemented to weakly cemented, low plasticity, brown, moist, no odor, no stains				
130			0.4			note: moderately cemented from 130' to 132'				
135		0.5				note: fuel odor below 136'				
140		1.7								

Project Name: ST012 EBR Drilling

Boring ID: LSZ43-EBR

Project Number: 9101110001.5310.02

Date: 5-22-16



Boring Location:		ST012		Logged By:		Garrett Tabor	
Elevation and Datum:		N/A		Project Manager:		Gwen Minnier	
Drilling Start Date:		5-22-16		Drilling Contractor:		Yellow Jacket Drilling	
Drilling Completion Date:		5-22-16		Drilling Method:		Sonic	
Total Depth (ft bgs):		226		Drilling Equipment:		6" I.D., 8" O.D.	
Depth to Water (ft bgs):		~146		Sampling Method:		Continuous Core	
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.	
150			138		SW-SM	WELL GRADED SAND WITH SILT & GRAVEL, continued	
155			6.0			note: cobble present at 153' & 155', fuel odor present	
						note: 174° to 188° F at 156'	
						note: gravel content increased, fine to coarse grained, subrounded to subangular at 157'	
						note: weakly cemented lens about 6" thick at 159'	
160			1176	None	CL	CLAY WITH SAND, 85% clay, 15% fine to medium grained, subrounded to subangular sand, uncemented, medium plasticity, reddish-brown, slightly moist to moist, mild odor, no stains	
165			270		SW	WELL GRADED SAND WITH GRAVEL, 60% fine to coarse grained, subrounded to subangular sand, 35% fine to coarse grained, subrounded to subangular gravel, 5% silt to clay, uncemented, nonplastic, brown, wet, fuel odor (mild), no stains	
170			66.5				

Project Name: ST012 EBR Drilling

Boring ID: LSZ43-EBR

**Project Number:** 9101110001.5310.02 **Date:** 5-22-16

**Date:** 5-22-16

Boring Location: ST012						Logged By: Garrett Tabor		
Elevation and Datum: N/A						Project Manager: Gwen Minnier		
Drilling Start Date: 5-22-16						Drilling Contractor: Yellow Jacket Drilling		
Drilling Completion Date: 5-22-16						Drilling Method: Sonic		
Total Depth (ft bgs): 226						Drilling Equipment: 6" I.D., 8" O.D.		
Depth to Water (ft bgs): ~146						Sampling Method: Continuous Core		
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.		
175			461		CL	<b>CLAY WITH SAND</b> , continued  note: sand content increased at 175'  note: core fell out of core barrel when retrieved it was mostly composed of clay with sand sluff from 176' to 186'		
180				388	None			
185			208					
					CL	<b>CLAY WITH SAND</b> , 85% clay, 15% fine grained sand, weakly cemented, medium plasticity, reddish-brown, slightly moist, no odor, no stains		
190			164		SM	<b>SILTY SAND</b> , 80% fine to medium grained, subrounded to subangular sand, 20% silt, uncemented, nonplastic, gray, moist to wet, no odor, black to gray staining,		
195			36.4					
					None			
200								



Project Name: ST012 EBR Drilling

Boring ID: LSZ43-EBR

Project Number: 9101110001.5310.02

Date: 5-22-16


Boring Location:		ST012		Logged By:		Garrett Tabor		
Elevation and Datum:		N/A		Project Manager:		Gwen Minnier		
Drilling Start Date:		5-22-16		Drilling Contractor:		Yellow Jacket Drilling		
Drilling Completion Date:		5-22-16		Drilling Method:		Sonic		
Total Depth (ft bgs):		226		Drilling Equipment:		6" I.D., 8" O.D.		
Depth to Water (ft bgs):		~146		Sampling Method:		Continuous Core		
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.		
200					SM	SILTY SAND, continued  note: well graded sand, subrounded to subangular, wet, no odor, no stains from 206' to 216'  note: pressure release, shut down for the day to find better solution		
205							note: well graded sand, subrounded to subangular, wet, no odor, no stains from 206' to 216'  note: pressure release, shut down for the day to find better solution	
						note: well graded sand, no fuel odor, no oil in soil indication from 216' to 226'		
210						note: well graded sand, no fuel odor, no oil in soil indication from 216' to 226'		
						note: well graded sand, no fuel odor, no oil in soil indication from 216' to 226'		
215						note: well graded sand, no fuel odor, no oil in soil indication from 216' to 226'		
						note: well graded sand, no fuel odor, no oil in soil indication from 216' to 226'		
220						note: well graded sand, no fuel odor, no oil in soil indication from 216' to 226'		
						note: well graded sand, no fuel odor, no oil in soil indication from 216' to 226'		
225						note: well graded sand, no fuel odor, no oil in soil indication from 216' to 226'		

Project Name: ST012 EBR Drilling

Boring ID: LSZ43-EBR

**Project Number:** 9101110001.5310.02 **Date:** 5-22-16

**Date:** 5-22-16

Boring Location:		ST012		Logged By:		Garrett Tabor	
Elevation and Datum:		N/A		Project Manager:		Gwen Minnier	
Drilling Start Date:		5-22-16		Drilling Contractor:		Yellow Jacket Drilling	
Drilling Completion Date:		5-22-16		Drilling Method:		Sonic	
Total Depth (ft bgs):		226		Drilling Equipment:		6" I.D., 8" O.D.	
Depth to Water (ft bgs):		~146		Sampling Method:		Continuous Core	
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes	
						Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.	
225					SM	SILTY SAND, continued	
						Tota Depth = 226'	
230							
235							
240							
245							
250							

Project Name: ST012 EBR Drilling

Boring ID: LSZ44-EBR

**Project Number:** 9101110001.5310.02 **Date:** 5-10-16

**Date:** 5-10-16

[illegible]

Project Name: ST012 EBR Drilling

Boring ID: LSZ44-EBR

Project Number: 9101110001.5310.02

Date: 5-10-16

Boring Location:		N/A		Logged By:		Kyle Keegan	
Elevation and Datum:		N/A		Project Manager:		Gwen Minnier	
Drilling Start Date:		5-10-16		Drilling Contractor:		Yellow Jacket Drilling	
Drilling Completion Date:				Drilling Method:		Sonic	
Total Depth (ft bgs):		230		Drilling Equipment:		6" I.D., 8" O.D.	
Depth to Water (ft bgs):		~146		Sampling Method:		Continuous Core	
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.	
25			0.0		CL	CLAY WITH SAND, continued	
30					SC	CLAYEY SAND, 80% fine to medium grained, subrounded to subangular sand, 20% clay, uncemented, nonplastic to low plasticity, brown to red, slightly moist, no odor, no stains	
35			0.0		SM	SILTY SAND, 75% fine to medium grained, subrounded to subangular sand, 25% silt, uncemented, nonplastic, light brown, slightly moist, no odor, no stains	
						note: silt content decreased, coarse grained sand content increased at 34'	
40			0.0		SP-SM	POORLY GRADED SAND WITH SILT, 90% fine to medium grained, subrounded to subangular sand, 10% silt, uncemented, nonplastic, brown, slightly moist, no odor, no stains	
						note: coarse grained gravel content increased at 41'	
						note: clay content increased at 43'	
45			0.0			note: clay with sand lens at 45'	
50					CL	CLAY WITH SAND	

Project Name: ST072 EBR Drilling

Boring ID: LSZ44-EBR

Project Number: 9101110001.5310.02

Date: 5-10-16

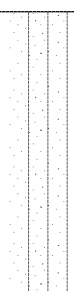




Boring Location:		N/A		Logged By:		Kyle Keegan	
Elevation and Datum:		N/A		Project Manager:		Gwen Minnier	
Drilling Start Date:		5-10-16		Drilling Contractor:		Yellow Jacket Drilling	
Drilling Completion Date:				Drilling Method:		Sonic	
Total Depth (ft bgs):		230		Drilling Equipment:		6" I.D., 8" O.D.	
Depth to Water (ft bgs):		~146		Sampling Method:		Continuous Core	
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.	
50			0.0		CL	<b>CLAY WITH SAND</b> , 80% clay, 20% fine to medium grained, subrounded to subangular, uncemented to weakly cemented, medium plasticity, brown to red, slightly moist, no odor, no stains  note: manganese-oxide staining at 53'  note: sand content increased at 54'   <	

Project Name: ST072 EBR Drilling

Boring ID: LSZ44-EBR

Project Number: 9101110001.5310.02

Date: 5-10-16

Boring Location:		N/A		Logged By:		Kyle Keegan	
Elevation and Datum:		N/A		Project Manager:		Gwen Minnier	
Drilling Start Date:		5-10-16		Drilling Contractor:		Yellow Jacket Drilling	
Drilling Completion Date:				Drilling Method:		Sonic	
Total Depth (ft bgs):		230		Drilling Equipment:		6" I.D., 8" O.D.	
Depth to Water (ft bgs):		~146		Sampling Method:		Continuous Core	
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.	
75			0.0		SM	SILTY SAND, continued  note: silt content increased at 75'  note: coarse grained sand content increased at 76'	
80			0.0		CL	CLAY WITH SAND, 85% clay, 15% fine grained sand, uncemented, medium plasticity, brown to red, slightly moist to moist, no odor, no stains          note: cementation increased at 84'	
85			0.0			note: manganese-oxide staining at 88'	
90			0.0		ML	SILT WITH SAND, 80% silt, 20% predominantly fine grained sand, uncemented, low plasticity, brown, slightly moist, no odor, no stains   note: clay lens about 6" thick at 91'6"	
95			0.0		SM	SILTY SAND, 85% fine to medium grained, subrounded to subangular sand, 15% silt, uncemented, nonplastic, brown, slightly moist, no odor, no stains	
100					CL	CLAY WITH SAND, 75% clay, 25% fine grained sand, uncemented, medium plasticity, red to brown, slightly moist, no odor, no stains	

Project Name: ST072 EBR Drilling

Boring ID: LSZ44-EBR

Project Number: 9101110001.5310.02

Date: 5-10-16


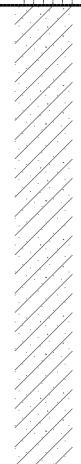

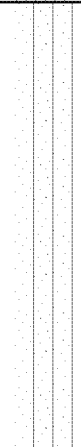


Boring Location:		N/A		Logged By:		Kyle Keegan	
Elevation and Datum:		N/A		Project Manager:		Gwen Minnier	
Drilling Start Date:		5-10-16		Drilling Contractor:		Yellow Jacket Drilling	
Drilling Completion Date:				Drilling Method:		Sonic	
Total Depth (ft bgs):		230		Drilling Equipment:		6" I.D., 8" O.D.	
Depth to Water (ft bgs):		~146		Sampling Method:		Continuous Core	
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.	
100			0.0		CL	CLAY WITH SAND, continued	
105			0.0			note: silt content increased at 102'	
					ML	SILT WITH SAND, 85% silt (some clay), 15% fine grained sand, uncemented, low plasticity, brown, slightly moist, no odor, no stains	
110			0.0		SM	SILTY SAND, 75% fine to medium grained, subrounded to subangular sand, 25% silt, uncemented, nonplastic, brown, slightly moist, no odor, no stains	
						note: fine grained, subrounded to subangular gravel content increased at 114'	
115			0.0				
					CL	CLAY WITH SAND, 70% clay, 30% fine to medium grained, subrounded to subangular sand, uncemented to weakly cemented, medium plasticity, brown to red, slightly moist, no odor, no stains	
120			0.0				
					ML	SILT WITH SAND, 80% silt, 20% fine grained sand, uncemented, low plasticity, brown, slightly moist, no odor, no stains	
125							

Project Name: ST012 EBR Drilling

Boring ID: LSZ44-EBR

Project Number: 9101110001.5310.02

Date: 5-10-16

Boring Location:		N/A		Logged By:		Kyle Keegan	
Elevation and Datum:		N/A		Project Manager:		Gwen Minnier	
Drilling Start Date:		5-10-16		Drilling Contractor:		Yellow Jacket Drilling	
Drilling Completion Date:				Drilling Method:		Sonic	
Total Depth (ft bgs):		230		Drilling Equipment:		6" I.D., 8" O.D.	
Depth to Water (ft bgs):		~146		Sampling Method:		Continuous Core	
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.	
125			0.0		ML	SILT WITH SAND, continued	
130					SC	CLAYEY SAND, 60% fine to medium grained, subrounded to subangular sand, 40% clay, uncemented, low plasticity, reddish-brown, slightly moist, no odor, no stains	
135			0.0		CL	CLAY WITH SAND, 80% clay, 20% fine grained sand, uncemented, medium plasticity, brown, moist, no odor, no stains	
140					SM	SILTY SAND, 75% fine to medium grained, subrounded to subangular sand, 25% silt, uncemented, nonplastic, brown, moist, no odor, no stains	
145			0.0			note: coarse grained sand content increased at 144'	
150					SW-SM	WELL GRADED SAND WITH SILT, 90% fine to coarse grained, subrounded to subangular sand, 10% silt, uncemented, nonplastic, brown, wet, no odor, no stains	



Project Name: ST072 EBR Drilling

Boring ID: LSZ44-EBR

Project Number: 9101110001.5310.02

Date: 5-10-16


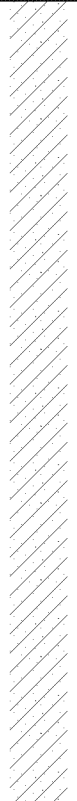


Boring Location:		N/A		Logged By:		Kyle Keegan	
Elevation and Datum:		N/A		Project Manager:		Gwen Minnier	
Drilling Start Date:		5-10-16		Drilling Contractor:		Yellow Jacket Drilling	
Drilling Completion Date:				Drilling Method:		Sonic	
Total Depth (ft bgs):		230		Drilling Equipment:		6" I.D., 8" O.D.	
Depth to Water (ft bgs):		~146		Sampling Method:		Continuous Core	
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.	
150			0.0		SW-SM	<b>WELL GRADED SAND WITH SILT</b> , continued  note: coarse grained sand & fine to coarse grained, subrounded to subangular gravel content increased at 150'	
155			0.0			note: clay lens about 4" thic at 155'	
160			0.0		CL	<b>CLAY</b> , 90% clay, 10% fine grained sand, moderately cemented, medium plasticity, red to brown, slightly moist, no odor, no stains	
165			0.0			note: cementation decrease (uncemented to weakly cemented) at 160'	
170			0.0			note: cementation decreased (uncemented) at 165'	
175					SM	<b>SILTY SAND</b> , 75% fine to medium grained, subrounded to subangular sand, 25% silt, uncemented, nonplastic, brown, moist to wet, no odor, no stains	

Project Name: ST072 EBR Drilling

Boring ID: LSZ44-EBR

Project Number: 9101110001.5310.02

Date: 5-10-16

Boring Location:		N/A		Logged By:		Kyle Keegan		
Elevation and Datum:		N/A		Project Manager:		Gwen Minnier		
Drilling Start Date:		5-10-16		Drilling Contractor:		Yellow Jacket Drilling		
Drilling Completion Date:				Drilling Method:		Sonic		
Total Depth (ft bgs):		230		Drilling Equipment:		6" I.D., 8" O.D.		
Depth to Water (ft bgs):		~146		Sampling Method:		Continuous Core		
Depth Below Ground Surface (feet)	Graphical Log	Sample ID	PID Meter Reading (ppm)	LNAPL Test (Red, Pink, None)	Unified Soil Classification System	Soil Classification, Description and Notes Name (USCS Symbol): material with description [i.e. % by weight, gradation, angularity] starting with largest percent, cementation, plasticity, color, moisture, staining, odor. Any additional descriptive information may be included in the soil description or notes.		
175			0.0		SM	SILTY SAND, continued		
180					SC	CLAYEY SAND, 65% fine to medium grained, subrounded to subangular sand, 35% clay, uncemented, low plasticity, brown, wet, fuel odor, no stains		
							note: sand content increased at 178'	
185			0.0			note: clay content increased at 182'		
190								
195			0.2		CL	CLAY WITH SAND, 70% clay, 30% fine to coarse grained, subrounded to subangular sand, uncemented, medium plasticity, brown to red, moist, no odor, no stains		
200						note: clay content increased at 194'		

**Project Name:** ST012 EBR Drilling

Boring ID: LSZ44-EBR

**Project Number:** 9101110001.5310.02 **Date:** 5-10-16

**Date:** 5-10-16

[illegible]

**Project Name:** STUTZ EBR Drilling

Boring ID: LSZ44-EBR

**Project Number:** 9101110001.5310.02 **Date:** 5-10-16

**Date:** 5-10-16

[illegible]